

6373-29

# Proceedings of the Society for Experimental Biology and Medicine

INCLUDING THE FOLLOWING SECTIONS

CLEVELAND, O.  
DISTRICT OF COLUMBIA  
ILLINOIS  
IOWA  
MINNESOTA  
MISSOURI  
NEW YORK

PACIFIC COAST  
PEIPING, CHINA  
ROCKY MOUNTAIN  
SOUTHERN  
SOUTHERN CALIFORNIA  
WESTERN NEW YORK  
WISCONSIN

January-April, 1944 (INCLUSIVE)

VOLUME 55

NEW YORK

# CONTENTS

## SCIENTIFIC PROCEEDINGS, VOLUME 55.

Three hundred thirteenth issue, January, 1944, No. 1.....	1
Three hundred fourteenth issue, February, 1944, No. 2.....	85
Three hundred fifteenth issue, March, 1944, No. 3.....	153
Three hundred sixteenth issue, April, 1944, No. 4.....	233

Press of

THOMAS J. GRIFFITHS SONS, INC.  
Utica, N. Y.

All preliminary manuscripts are indicated by the letter P after the number of the article

## INDEX

ANDERSON, E. G., PILGRIM, F. J., and ELVEHJEM, C. A.	Effect of Sulfonamides on Coenzyme I-Linked Enzyme Systems.....	39
BALDWIN, E. deF., 34.		
BLACK, A., 14.		
BLACK, J., 24.		
BLOOMFIELD, R. A., 34.		
BOLYARD, M., 8.		
BREED, E. S., 34.		
BRUZZONE, S., 43.		
BUGIE, E., 66.		
BURROUGHS, A. L.	The Flea <i>Malaracus telchinum</i> a Vector of <i>P. pestis</i> .....	10
CARMICHAEL, E. B., KAY, F. A., and PHILLIPS, G. W.	Studies on Guinea Pigs After Repeated Administration of Paraldehyde.....	22
COOPER, F. S., 4.		
COURNAND, A., LAUSON, H. D., BLOOMFIELD, R. A., BREED, E. S., and BALDWIN, E. deF.	Recording of Right Heart Pressures in Man....	34
DAM, H.	Galactose-Poisoning in Chicks.....	57
DAM, H.	Vitamin E and Length of Life of Rats Fed a Diet with Fatally Low Protein Content.....	55
DARROW, D. C.	Effect of Low Potassium Diet and Desoxycorticosterone on Rat Heart.....	13
DECHERD, G., RUSKIN, A., and HERRMANN, G.	Momentary Atrial Electrical Axes in Paroxysmal Tachycardia.....	17
ELMES, P. C., 76.		
ELVEHJEM, C. A., 39, 59, 72.		
EVANS, H. M., 62.		
FRAENKEL-CONRAT, H., HERRING, V. V., SIMPSON, M. E., and EVANS, H. M.	Effect of Adrenocorticotrophic Hormone on Insulin Content of the Rat's Pancreas.....	62
GAYLORD, C., and HODGE, H. C.	Duration of Sleep Produced by Pentobarbital Sodium in Normal and Castrate Rats.....	46
GEIGER, E.	On the Specificity of Bacterium Decarboxylase	11
GILDER, H., 49.		
GOLDNER, M. G., and GOMORI, G.	Mechanism of the Diabetogenic Action of Alloxan .....	73
GOMORI, G., 73.		
GRIMSON, K. S., 64.		
GUEST, H. L., 26.		
GYORGY, P., and ELMES, P. C.	Experiments on Toxicity of the Calcium Salt of Penicillin.....	76
HERRING, V., 62.		
HERRMANN, G., 17.		
HILL, H. C., 64.		
HOAGLAND, C. L., SHANK, R. E., and GILDER, H.	Effect of Testosterone Propionate and Methyl Testosterone on Creatinuria in Progressive Muscular Dystrophy.....	49
HODGE, H. C., 46.		
HUMMEL, J. P., and MATTILL, H. A.	Lipoxidase, a Dehydrogenase.....	31



HUTNER, S. H., 4.	
IGLESIAS, R., and LIPSCHUTZ, A.	Structural Particularities of Antifibromatogenic Steroids: Experiments with $\Delta^4$ -androstene-3,17-dione, and Cholestenone..... 41
KAY, F. A., 22.	
KERNODLE, C. E., JR., HILL, H. C., and GRIMSON, K. S.	An Experimental Technique for Measuring Mean Systolic Blood Pressures During Activity, Rest and Natural Sleep..... 64
KOLB, E. M., 1.	
KROP, S., 80.	
LAUSON, H. D., 34.	
LEONARD, S. L., 61.	
LIPSCHUTZ, A., QUINTANA, H., and BRUZZONE, S.	Differential Behaviour of the Liver Towards Natural and Artificial Estrogens..... 43
LIPSCHUTZ, A., 41.	
MATTILL, H. A., 31.	
MAYFIELD, M. F.	Excystation, Cultivation and Encystation of <i>Endamoeba coli</i> ..... 19
MILHORAT, A. T.	A Color Reaction of Ascorbic Acid with Derivatives of Pyridine, Piperidine, Quinoline and Iso-Quinoline..... 52
MILHORAT, T. H.	A Color Reaction of Ascorbic Acid with Nicotinamide and Nicotinic Acid..... 52
MODELL, W., and KROP, S.	Acute Toxicity of Mercurial Diuretics..... 80
NIELSEN, E., and BLACK, A.	Role of Inositol in Alopecia of Rats Fed Sulfasuxidine ..... 14
PHILLIPS, G. W., 22.	
PILGRIM, F. J., 39.	
PLOTZ, H., 29.	
QUINTANA, H., 43.	
REEDER, C. F., and LEONARD, S. L.	Alterations in Mammary Structure Following Adrenalectomy in the Immature Male Rat.... 61
RUSKIN, A., 17.	
SALLE, A. J., and GUEST, H. L.	Increased Efficiency of Phenolic Germicides by Addition of Inorganic Salts to Produce Oxidation-Reduction Systems..... 26
SCHATZ, A., BUGIE, E., and WAKSMAN, S. A.	Streptomycin, a Substance Exhibiting Antibiotic Activity Against Gram-Positive and Gram-Negative Bacteria..... 66
SHANK, R. E., 49.	
SIMPSON, M. E., 62.	
SNELL, E. E.	Effect of Alanine on Response of <i>Lactobacillus casei</i> to Pyridoxine and Folic Acid..... 36
STANGER, D. W., 8.	
STEINER, P. E., STANGER, D. W., and BOLYARD, M.	A Toxic Factor in Tissues in Cases of Non-specific Ulcerative Colitis..... 8
TAYLOR, A. C., 77.	
TEPLY, L. J., and ELVEHJEM, C. A.	Inactivity of Coramine (Nikethamide) for <i>L. arabinosus</i> and Its Conversion to an Active Substance..... 72
TEPLY, L. J., and ELVEHJEM, C. A.	Use of a Germicidal Quaternary Ammonium Salt in Nutritional Studies..... 59
THOMAS, L., and KOLB, E. M.	Activation of Latent Mouse Pneumonitis Virus by Human Serum..... 1
WAISMAN, H. A.	Production of Riboflavin Deficiency in the Monkey ..... 69
WAKSMAN, S. A., 66.	

# INDEX

iii

WEIL, A. J., and BLACK, J.	Nicotinic Acid and Pantothenic Acid as Essential Growth Factors for <i>Shigella paradysenteriae</i> (Flexner).....	24
WEINMAN, D.	Cultivation of <i>Trypanosoma gambiense</i> in vitro in Cell-Free Medium.....	82
WEISS, P., and TAYLOR, A. C.	Impairment of Growth and Myelinization in Regenerating Nerve Fibers Subject to Constriction .....	77
WERTMAN, K., and PLOTZ, H.	Presence of Typhus Antibodies in Commercial Frozen and Dried Complement.....	29
ZAHL, P. A., HUTNER, S. H., and COOPER, F. S.	Effect of Sulfonamides on Toxic and Antigenic Actions of Endotoxins of Certain Gram-Negative Bacteria.....	4

